Economics Analysis Of Effect Combination Probiotics *Lactobacillus acidophilus* and *Bifidobacterium* on Feed Consumption and Egg Production of Layer

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ABSTRACT

The purpose of this study was to know the economics analysis in layer which used probiotic. *Lactobacillus acidophillus* and *Bifidobacteria* supplementation to alternate *Antibiotic Growth Promoter* (AGP) to feed consumption and *Hen Day Production*. About 180 layers at 30 weeks of age were completely randomized into three treatments, each treatment consisted of six replications and each replication consisted by ten heads. The treatment were T0, T1 and T2 contained with standard feed, standard feed with 0,1 g/180 ml AGP dissolved in drinking water and standard feed with 25% *Lactobacillus acidophilus* + 0,5 % *Bifidobacterium* dissolved in drinking water. The result showed that there were significant differences among the treatments ($p<0,05$). The lowest feed consumption was T2 which different from T1 and T0. Respectively 113,16 gram/head/day and the highest feed consumption were T0 and T1 which showed differences, respectively 116,14 gram/head/day and 114,19 gram/head/day. The highest egg production also at T2 with 83.83% and the lowest egg production were T0 and T1 which showed no differences, respectively 74,67% and 76,33%. T2 also showed the most profitable economics analysis, respectively Rp 123945.64/month. It could be conclude that could be better to give 25% *Lactobacillus acidophilus* + 0,5 % *Bifidobacterium* dissolved in drinking water to get the best egg production and profit.

Key word : Probiotics, AGP, HDP, Feed Consumption, Economic analysis.